

ABSTRACT OF THE DISCLOSURE

Provided is a processing method capable of reliably processing the inside of a depression such as a trench, a contact hole, a deep pattern, or a pore of a porous substrate.

5 A chemical solution M is supplied into a processing bath 1 placing a substrate W, and the processing bath 1 is repetitively evacuated and pressurized several times at a pressure lower than the atmospheric pressure. Alcohol X is brought into contact with the surface of the substrate

10 W and supplied into a depression W-1. The chemical solution M is supplied into the processing bath 1 containing the substrate W until the chemical solution M reaches a water level at which the substrate W is dipped, thereby allowing the chemical solution M to enter the depression W-1. The

15 chemical solution M is discharged from the processing bath 1, and a portion of the chemical solution M entering the depression W-1 and mixed with the alcohol X is evaporated by evacuating the processing bath 1. This process is repeated several times.